

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 03/00860-0

## CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: A61K 39/04, 39/39, A61P 11/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: A61K 39/04, 39/39, A61P 11/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, CAS, Medline

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HOPFENSPIRGER. M.T. et al. Mycobacterial antigens attenuate late phase response, airway hyperresponsiveness, and bronchoalveolar lavage eosinophilia in a mouse model of bronchial asthma. International immunopharmacology, September 2001, Vol. 1, No. 9-10, pages 1743-1751, Medline-abstract [online], [retrieved on 12 June 2003 (12.06.03) ]. Retrieved from: EPOQUE Medline Database, AN: NLM11562066 <i>abstract</i> .	1-21
A	SUZUKI, N. et al. Can Mycobacterium tuberculosis infection prevent asthma and other allergic disorders?. International archives of allergy and immunology, 2001, Vol. 124, No. 1-3, pages 113-116, Medline-abstract [online], [retrieved on 12 June 2003 (12.06.03) ]. Retrieved from: EPOQUE Medline Database, AN: NLM11306944 <i>abstract</i> .	1-21

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

12 May 2003 (12.05.2003)

Date of mailing of the international search report

12 August 2003 (12.08.2003)

Name and mailing address of the ISA/AT

Austrian Patent Office  
Dresdner Straße 87, A-1200 Vienna  
Facsimile No. 1/53424/535

Authorized officer

MOSSER R.

Telephone No. 1/53424/437

**INTERNATIONAL SEARCH REPORT**

International application No.

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**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PHERWANI, A.V. et al. Bronchial challenge with purified protein derivative of <i>Mycobacterium tuberculosis</i> in asthma. Indian pediatrics, 1992, Vol. 29, No. 7, pages 867-870, Medline-abstract [online], [retrieved on 12 June 2003 (12.06.03) ]. Retrieved from: EPOQUE Medline Database, AN: NLM1428135 <i>abstract</i>.</p> <p>----</p>	1-21

## PATENT COOPERATION TREATY

**PCT**INTERNATIONAL APPLICATION STATUS FORM  
(IASF)**Date of issue of this IASF:**(the information contained in this IASF reflects the status  
of the international application as of this date)  
09 February 2006 (09.02.2006)

From the INTERNATIONAL BUREAU

To:

UNITED STATES PATENT AND TRADEMARK OFFICE  
Commissioner for Patents,  
P.O.Box 1450  
Alexandria VA 22313 -1450  
ETATS-UNIS D'AMERIQUE

I - INTERNATIONAL APPLICATION		
I-1	International application number:	PCT/IB2003/000860
I-2	International filing date:	11 March 2003 (11.03.2003)
I-3	Earliest priority date:	13 March 2002 (13.03.2002)
I-4	Title of the invention:	PROCESS FOR MANUFACTURING PHARMACEUTICAL COMPOSITION COMPRISES OF MYCOBACTERIUM W IN THE TREATMENT OF ASTHMA&lpar;OBSTRUCTIVE LUNG DISEASE&rpar;
I-5	International Patent Classification:	<sup>7</sup> A61K 39/04, 39/39, A61P 11/06
I-6	Language of filing:	English
I-7	The State for which the Office acts as a designated Office has been designated in the international application:	Yes
I-7-1	Indication of the State(s) designated in the international application in respect of which the Office acts as a designated Office (only where the designated Office is a regional Office):	Not applicable
I-7-2	The international application has been considered withdrawn in a declaration made by the receiving Office on (date):	Not applicable
I-7-3	The international application or the designation of the State for which the Office acts as a designated Office has been withdrawn by the applicant (date on which withdrawal became effective):	Not applicable
I-7-4	Kind of protection or treatment:	Patent
I-7-4-1	Identification of parent application or parent grant:	Not applicable
I-8	Date of receipt of record copy by the International Bureau:	26 March 2003 (26.03.2003)
I-9	Applicant(s) and/or inventor(s) for the State(s) for which the Office acts as a designated Office	
I-9-1	Applicant and/or inventor	
I-9-1-1	Data currently on record	
I-9-1-1-1	Applicant's and/or inventor's name:	KHAMAR, Bakulesh, Mafatlal
I-9-1-1-2	Address:	201, Ashadha, Vasundhara Colony Near Gulbai Tekra Ellisbridge 380006 Ahmedabad India
I-9-1-1-3	State of nationality:	IN

I-9-1-1-4	State of residence:	IN
I-9-1-1-5	This person is:	Applicant and inventor
I-9-1-2	Data previously on record (in case of a change recorded by the International Bureau under Rule 92bis):	No data previously on record available for inclusion in this IASF; any such data is available from the IB.
I-9-1-3	Indication of the State(s) designated in the international application for the purposes of which the person is an applicant and/or inventor (only where the designated Office is a regional Office):	Not applicable
I-10	The international application contains sequence listings and/or tables filed under Section 801(a) of the Administrative Instructions:	No
I-11	The following declaration(s) referred to in Rule 4.17 made for the purposes of the State(s) for which the Office acts as a designated Office was (were) contained in the international application as filed or received by the International Bureau before the expiration of the time limit under Rule 20r.1:	
I-11-1	Declaration(s) as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):	Not applicable
I-11-2	Declaration(s) as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)):	Not applicable
I-11-3	Combined declaration(s) as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)) and the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)) :	Not applicable
I-11-4	Declaration(s) as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):	Not applicable
I-11-5	Declaration(s) of inventorship (only for the purposes of the designation of the United States of America) (Rules 4.17(iv) and 51bis.1(a)(iv)):	1
I-11-6	Declaration(s) as to non-prejudicial disclosures or exceptions to lack of novelty (Rules 4.17(v) and 51bis.1(a)(v)):	Not applicable
<b>II - PRIORITY CLAIM(S)</b>		
II-1	Number of earlier application:	247/MUM/2002
II-1-1	Filing date of earlier application:	13 March 2002 (13.03.2002)
II-1-2	Country in which, or regional Office or receiving Office with which earlier application was filed (where the earlier application is an ARIPO application, indication of the country party to the Paris Convention or Member of the World Trade Organization for which that earlier application was filed):	IN
II-1-3	Priority document received at the International Bureau on:	23 July 2003 (23.07.2003)
II-1-4	Priority document submitted or transmitted in compliance with Rule 17.1(a) or (b) (only where priority document was received at the International Bureau):	Yes
II-1-5	Applicant has requested the receiving Office to prepare and transmit the priority document in compliance with Rule 17.1(b) (only where no priority document was received at the International Bureau):	Not applicable
II-1-6	Priority claim withdrawn by a notice from the applicant (date on which withdrawal became effective; if the notice of withdrawal was received by the International Bureau after completion of technical preparations for international publication, such withdrawal will not have been reflected in the pamphlet) (Rule 90bis.3):	Not applicable
II-1-7	Declaration by the receiving Office or the International	Not applicable

	Bureau that priority claim is considered, for the purposes of the procedure under the Treaty, not to have been made (date of declaration) (Rule 26bis.2(b)):	
<b>III - INTERNATIONAL SEARCH REPORT</b>		
III-1	International Searching Authority carrying out the international search:	ISA/AT
III-2	International search report or declaration under Article 17 (2)(a) received by the International Bureau:	Yes
III-3	Corrected version(s) of the international search report (if any) received by the International Bureau:	Not applicable
<b>IV - REFERENCE TO DEPOSITED BIOLOGICAL MATERIAL</b>		<b>Not applicable</b>
<b>V - INTERNATIONAL PUBLICATION</b>		
V-1	International publication number:	WO 2003/075826 (A3)
V-2	International publication date:	18 September 2003 (18.09.2003)
V-3	Language of publication:	English
V-4	Number of figure of drawing published together with the abstract:	Not applicable
V-5	Republication(s) (repubication date(s) and reason(s)):	13 November 2003 (13.11.2003) (A3) Later publication of international search report
<b>VI - INTERNATIONAL PRELIMINARY EXAMINATION</b>		
VI-1	A demand electing the State(s) for which the Office acts as an elected Office has been received by the International Preliminary Examining Authority (where the elected Office is a regional Office, indication of the State(s) elected in respect of which the Office acts as an elected Office):	No

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 740 14 35	Authorized officer <p style="text-align: right;">Idhir Britel</p> e-mail pct.cor@wipo.int Telephone No. +41 22 338 83 38
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## PCT REQUEST

Original (for SUBMISSION) - printed on 11.03.2003 11:04:52 AM

VIII-4-1	<p><b>Declaration: Inventorship (only for the purposes of the designation of the United States of America)</b> Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p>	<p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p>
VIII-4-1 -1	Prior applications:	

## PCT REQUEST

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		<p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>
VIII-4-1 -1-1	Name:	KHAMAR, Bakulesh, Mafatlal
VIII-4-1 -1-2	Residence: (city and either US State, if applicable, or country)	Ahmedabad, India
VIII-4-1 -1-3	Mailing address:	Near Gulbai Tekra, Ellisbridge
VIII-4-1 -1-4	Citizenship:	IN
VIII-4-1 -1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	
VIII-4-1 -1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	